

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Morris Samelson and

Johnathan M. Scharff

Serial No.:

10/601,796

Filed:

June 23, 2003

For:

Ultra Fine Dead Sea Mineral Compound and Method of Manufacture

Group No.:

1615

Examiner:

Lakshmi Sarada Channavajjala

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop: RESPONSE/FEE Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, on August 23, 2007.

MORKIS SAMELSON

(Printed or typed name of person signing the certificate)

(Signature of the person signing the certificate)

DECLARATION OF PRIOR INVENTION IN THE UNITED STATES TO OVERCOME CITED PATENT OR PUBLICATION (37 C.F.R. § 1.131)

- 1. This declaration is to establish completion of the invention of the above referenced United States Patent application ("Application") in the United States at a date before May 7, 2001, the earliest priority date of prior art application serial US 2003/0211062 ("Laden") that was cited by the Examiner.
 - 2. The person making this declaration is the inventor.

Facts and documentary evidence

- 3. To establish a date of conception of the invention of this application before the priority date of Laden, the following attached documents are submitted as evidence, all of which are true copies of the originals:
 - (i) Manufacturing Batch Record Compounding Module dated February 2, 2001.
 - (ii) Manufacturing Batch Record Milling Module dated February 1, 2001.
 - (iii) Photos of the finished product PharmaSea® Dead Sea Mineral Scrub showing front and back silk screened labeling as well as product lot number stamped into tube corresponding to date of manufacture.
 - (iv) Drawings summarizing invention dated December 2006.
- 4. Laden is a national stage entry of application No. PCT/US01/14570 which was filed on May 7, 2001 and claims priority to an earlier filed provisional application 60/202,409 which fails to disclose the present invention found in Application. Laden was published on November 13, 2003. Laden teaches anhydrous skin cleansers with abrasive materials. The divisional Application was filed on June 23, 2003 and claims priority to filing date August 16, 2001 less than four months after Laden's earliest priority filing date of May 7, 2001.
 - 5. The Applicant avers the following:
 - (a) Applicant conceived the invention before February 2, 2001;
- (b) For a period of approximately one year prior to August of 2000 we had experimented extensively with selected natural ingredients and attempted to include the native Dead Sea minerals but were unable to find a suitable formulation due to the larger granules sizes. Extensive research and development utilizing processed ultra fine Dead Sea minerals (salts) was carried out during the six months prior to January of 2001 in order to develop the processor necessary to process native Dead Sea minerals into ultra fine Dead Sea minerals as novel commercially viable raw material ingredients for esthetically acceptable formulations. The

purpose of the final experimentation in January 2001 (for which charts have been previously submitted to file) was to re-evaluate our findings and determine the final formula best suited as our consumer product PharmaSea® Dead Sea Mineral Scrub product which includes our processed ultra fine Dead Sea minerals having granularity 100% less than 1 mm.

- (e) The Application was filed on June 23, 2001 and is a divisional of application 09/931,453 filed on August 16, 2001.
- 6. From these documents and photos, it can be seen that the invention in the Application was reduced to practice by February 2, 2001 which is earlier than the priority date of Laden.
- 7. The foregoing also establishes the diligence of the Applicant, from the time of conception to the time of constructive reduction to practice.
- 8. Information of further relevance was included in and attached to my previous Declaration under 37 C.F.R. § 1.132 dated January 16, 2007 and submitted to file.
- 9. This declaration is submitted in response to an office action in which Examiner relied on Laden as a reference.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Johnathan M. Scharff

Date

8/23/07

(ATMOSULTRAMILL) MILLING MODULE

ISSUED

(c) Description Pages

(S) Bulk Milling

REVIEWED

() Preparation

(V) Description Pages

(v) Bulk Milling

Issued By: MORKI 5 SAMELSON

Reviewed By: Johnstann H. Scharff 10/10/20

Date: 02/01/01

Processed ULTRA FINE Dead Sea Minerals (salts) Page: Of: Raw Material Name: Module: Milling Date: 02/01/01 02/01/01 Date: Approved By: Prepared By:

Manufacturing Batch Record

Date of Manufacture: February 1, 2001

	PREPARATION		Performed By:	Verified By:
⊢ i	Equipment Required			
	 a. Primary milling system: Modified Conical Screen Mill b. Hapman infeed conveyor (infeed to milling system) c. Hapman outfeed conveyor (for drum fill on weigh scale) d. Dust control system, Metler floor scale, wench 	em) gh scale)		
ï	Preliminary Work a. Batch DOES NOT require QA release prior to milling.	ıilling.		5
Ξ	Safety Precautions		<u> </u>	-
	 a. Eye protection must be worn during entire manufacturing process. Dust control system must be attached and activated prior to and during milling process. All electric controls to be checked prior to plug in of systems with all switches in off position. 	during entire manufacturing process. Dust control activated prior to and during milling process. All d prior to plug in of systems with all switches in off		
·	THE ABOVE SAFETY PRECAUTIONS HAVE BEEN READ, UNDERSTOOD, SIGNED AND DATED BELOW: WE and DATED BELOW: OR 101 101	EN READ, UNDERSTOOD,		
Prepared By:	Module: Page: Milling	e: Of: Section: Page: Of: 2 7 Preparation 1 1	Document No. M001.001.00	
Approved By:	Product Name:	TRA FINE Dead Sea Minerals (salts)	Lot Code: 20101AUM (Include date)	М

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Earth Salt	Earth Salts International Inc. Man	Manufacturing Batch Record	De	ite of Manui	Date of Manufacture: February 1, 2001	tary 1, 2001
Part Number	Description of processed raw	v material	Amount needed	Amount Weighed	Performed By:	Checked By:
	PROCESSED RAW MATERIAL	AL				
2001	(Processed) ULTRA FINE Dead Sea Salts	l Sea	910 Lb	906	SM	IN S
***	Size: 100% less than 1 mm and 10 mesh US Sieve unit.	10 mesh				>
	Suitable for use in manufacturing products that require scrubbing effect as well as those that do not require scrubbing effect. (Grade 1)	g effect as				
	Action: 910 Lb native Dead Sea minerals (salts) processed through proprietary ATMOSULTRAMILL system with modified room atmosphere with temperature 75°F with cool dry positive pressure. RPM 4800. Material Choke fed. Native Dead Sea Salts have been processed into ULTRA FINE Dead Sea Salts. Native Dead Sea Salts information attached including Typical Analysis.	minerals (salts) processed throutemperature 75°F with cool dry processed into ULTRA FINE I ysis.	igh proprietary positive press Dead Sea Salt	ATMOSUL' ure. RPM 480 S. Native Deac	TRAMILL syst 00. Material Ch 1 Sea Salts info	em with oke fed. rmation
Prepared By:	SM	Module: Page: Of: Se Milling 3 7 De	Section: Description	Page: Of:	Document No.	
Approved By:	SM	rial Name: ed ULTRA FINE Dea	Sea Minerals		Lot Code: 20101AUM	АОМ

Earth Salt	Earth Salts International Inc. Mar	Manufacturing Batch Record	De	te of Manu	Date of Manufacture: February 1, 2001	uary 1, 2001	
Part Number	Description of processed raw material produced in house	material	Amount needed	Amount Weighed	Performed By:	Checked By:	1
	PROCESSED RAW MATERI	RIAL					1
2002	(Processed) ULTRA FINE Dead Sea Salts	Sea	110 Lb	801	SM	/N/S	1
	Size: 100% Less than 1 mm and 10 mesh US Sieve unit.	10 mesh				, -	
	Suitable for use in manufacturing products that require scrubbing effect as well as those that do not require scrubbing effect. (Grade 2)	effect as					
	110 Lb native Dead Sea minerals (salts) processed through proprietary ATMOSULTRAMILL system with modified room atmosphere with temperature 75°F with cool dry positive pressure. RPM 4800. Change part for finer material. Material choke fed. Native Dead Sea Salts have been processed into ULTRA FINE Dead Sea Salts. Native Dead Sea Salts information attached including Typical Analysis.	(salts) processed through proprire 75°F with cool dry positive prose Sea Salts have been processed in Typical Analysis.	ietary ATMO ressure. RPM nto ULTRA I	SULTRAMII 4800. Chang FINE Dead Se	LL system with e part for finer ea Salts. Native	n modified material. Dead Sea	
Prepared By:	US W	Module: Page: Of: Sec Milling 4 7 De	Section: Description	Page: Of:	Document No.		
Approved By:	W 5	erial Name: ed ULTRA FINE Dea	ea Minerals (Lot Code: 20101AUM	IAUM	
	/.1						٦.

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Manufacturing Batch Record

	x	BIILK MILLING			Performed By:	Verified By:
Grade 1:						
	I. Connect Hapman conveyors to mod. conical screen mill wit control and Metler floor scale for weigh activated filling of inner liner bags (lock tied) forming ATMOSULTRAMILL: Activate system (turn on all components) and begin adding to in-feed hopper as needed to maintain steady fill rate on dr	yors to mod. conic scale for weigh act) forming ATMC n all components) aded to maintain st	Connect Hapman conveyors to mod. conical screen mill with attached dust control and Metler floor scale for weigh activated filling of fiber drums with 4 mil inner liner bags (lock tied) forming ATMOSULTRAMILL: Activate system (turn on all components) and begin adding native Dead Sea Salts to in-feed hopper as needed to maintain steady fill rate on drums.	dust s with 4 mil rd Sea Salts	SM	<u>~</u>
	Native Dead Sea Salts {Typical Analysis - description attached}	attached}	910.0 Lb			
	Fill and stack drums in warehouse for util Scrub product manufacturing on 02/02/01	use for utilization i n 02/02/01.	for utilization in PharmaSea® Dead Sea Mineral /02/01.	ineral		
CLEAN S	CLEAN SYSTEM THOROUGHLY	Gra	Grade 1 run COMPLETED	I		
Grade 2:	II. Change parts for finer grade ULTRA FINE and of I with change part for finer flour like material	rade ULTRA FINI r finer flour like m	Change parts for finer grade ULTRA FINE and repeat II and utilize existing setup of I with change part for finer flour like material. ADDED	isting setup		
	Native Dead Sea Salts {Typical Analysis - description attached}	attached}	110.00 Lb			
		Grad	Grade 2 run COMPLETED	ПП		
					MS	S H
Prepared By:	SM	Module: Milling	Page: Of: Section: 5 7 Bulk Milling	Page: of:	Document No. M001,001,00	
Approved By:	" W S	Product Name: Processed ULT	E Dea	1	Lot Code: 20101AUM	M
			CALCACTOR OF THE TOTAL CONTROLLED FOR	Toward L		

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	BIII K MILLING-cont'd	Performed By:	Verified By:
III. <u>Keconciliation:</u> Orade I	de I		
a. Weigh and record:	GROSS: 910 Lb		
	TARE: Lb		
	NET WEIGHT: 906 Lb		
Net Weight:	910.0 Lb × 100 = 910.5 % YIELD		
b. Calculate and re	Calculate and record Milling loss:		
(9/10 Lb) - (Net Weight:	Weight: $\mathcal{A}(\mathcal{O}(\mathcal{O})) = \text{Milling Loss}$: \mathcal{A} Lb		
NOTE: Yield limits a	NOTE: Yield limits are 97-103%. If outside this range, notify supervisor.	((
	COMPLETEDIII.	M	5
IV. Sampling			
a. Submit two four o	Submit two four ounce samples to QA.	(<u> </u>
	COMPLETEDIV.	MIS	5
Prenared Bv: ///	Module: Page: Of Section: Page: Of	Document No	
MS	6 7 Bulk Milling 2	M001.000.01	
Approved By: \M \ \	łame: ed ULTRA FINE Dez	Lot Code: 20101AUM	M

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Manufacturing Batch Record

Date of Manufacture: February 1, 2001

8 1	BULK MILLING-cont'd	Performed By:	Verified By:
Reconciliation: Grade 2		n di sikunin da	
a. Weigh and record:	GROSS: [10 Lb		
	TARE: Lb		
NET	NET WEIGHT: 108 Lb		
Net Weight: 08	$\frac{ \partial g _{Lb \times 100}}{110.0 Lb} = \frac{qg \cdot g }{48 \cdot g } \text{ % YIELD}$		
c. Calculate and record Milling loss:	Milling loss:		
Lb) - (Net Weight:	Lb) = Milling Loss: Lb		
NOTE: Yield limits are 97-103%.	103%. If outside this range, notify supervisor.	(_
	PHASE IV. COMPLETEDV.	MS	~ ~
Sampling			
a. Submit two four ounce samples to QA.	amples to QA.	(<u> </u>
	PHASE V. COMPLETEDVI.	MIS	5
MS	Module: Page: Of: Section: Page: Of: Ailling 3 3	Document No.	
IM S	vame: ed ULTRA FINE Dead Sea Minerals (salts)	Lot Code: 20101AUM	M

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COMPOUNDING MODULE

ISSUED

(Preparation

(Formula Page

(Bulk Compounding

REVIEWED

() Preparation

() Formula Page

() Bulk Compounding

Issued By: Monuis Samessa.

Date: 02/02/01

Reviewed By: Johnathan N. Schanft Date: 02/02/01

PharmaSea® Dead Sea Mineral Scrub Compounding Product Name: Module: Date: 02/02/01 Date: 02/02/0/ Approved By: Prepared By:

Manufacturing Batch Record

Date of Manufacture: February 2, 2001

	PREPARATION	remonined by.	vermen by.
I.	Equipment Required		
	 a. Primary compounding vessel: Scott Turbon Mixer (triple motion processor), 200 gal. b. Swift Heating System c. Swift Chilling System 		
II.	Preliminary Work		
	a. Batch DOES NOT require QA release prior to filling. Use Yellow Tank Card System.		
III.	Safety Precautions	\bigcirc	S
	a. Eye protection must be worn during entire manufacturing process.		
	THE ABOVE SAFETY PRECAUTIONS HAVE BEEN READ, UNDERSTOOD, SIGNED AND DATED BELOW: W. M.		
Prepared By:	Module: Page: Of: Section: Page: Of: Compounding 2 8 Preparation 1 1	Document No. C001.001.00	
Approved By:	Product Name: Product Name:	Lot Code: 20201 (corresponds to date)	

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Earth Salt	Earth Salts International Inc. Ma	nufacturir	anufacturing Batch Record	Record	Õ	ate of Manu	Date of Manufacture: February 2, 2001	uary 2, 2001
Part Number	Description		M/M%	Control Number	Amount	Amount Weighed	Performed By:	Checked By:
	Sait Phase							
2001	Processed ULTRA FINE Dead Sea Salts	Sea Salts	51.00		816 Lb	Ø 1€	MS	J.
	Oil Phase							
1001	Palm oil		25.00		400 Lb	100	MS	Jan
1002	Soybean oil		9.00		144 Lb	777	MS	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
1003	Olive oil		5.00		9T 08	08	SW	S
1004	Jojoba oil		3.00		48 Lb	sh	SM	× 5.
1005	Beeswax		3.00		48 Lb	3)	AS	SW
1006	Jojoba wax PEG 120		1.00		16 Lb	91	MS	5 1
1007	Cashew husk oil ethoxylate (Clarit)	rit)	1.00		16 Lb	91	A ST	57
1008	Coconut oil		1.00		16 Lb	91	ME	SW
1009	Vitamin E oil (Covitol 1250)		1.00		1.6 Lb	ا.و	MS M	Z X
1010	Vitamin E oil (Covi-ox)		0.05		0.8 Lb	8.0	MS	Y
Prepared By:	ME	Module:	Page:	Of:	Section: Formula	Page: Of:	Document No.	
Approved By:	\\	Product Name:	e: ® Dead Se	Miner 8	Scmb		Lot Code: 20201	
	· · · · · · · · · · · · · · · · · · ·	ACDITION I	ארו הארו פון	ים זאזזזזאמי א	חחוזה			

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Earth Salt	Earth Salts International Inc. Manufac	Manufacturing Batch Record	n Record	Q	ate of Manu	Date of Manufacture: February 2, 2001	uary 2, 2001
Part Number	iption	M/M%	Control Number	Amount	Amount Weighed	Performed By:	Checked By:
	Fragrance Phase (essential oil blend)	(1					
1012	Rosewood Oil	0.44		7.04 Lb	20.4	SIM	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
1013	Lavender Oil	0.34		5.44 Lb	5.44	MS	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
1014	Chamomile Oil	0.20		3.20 Lb	3.20	145	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
1015	Calendula Oil	0.02		0.32 Lb	6.34	MS	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
·							
Prepared By:	MS Module:	Module: Page: Compounding 4	0f: 8	Section: Formula	Page: Of:	Document No. C001.001.00	
Approved By:	Produc Pharm	Product Name: PharmaSea® Dead Sea Mineral Scrub	Sea Mineral	Scrub		Lot Code: 20201 (corresponds to date)	ate)

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Earth Salts International Inc. Manufacturing Batch Record

Date of Manufacture: February 2, 2001

Dil Phase: Add to the Primary Compound Turn on heating system and op Heat contents to 65°C while m Palm Oil Beeswax Jojoba Wax PEG 120 Beeswax Cashew Husk Oil Exthoxylate Cashew Husk Oil Exthoxylate	O X III R	OMPOTINITING	Performed By:	Verified By:
Add to the Primary Compounding Vessel when temp reaches 35°C; Turn on heating system and open flow through jacket in vessel. Heat contents to 65°C while mixing slow speed. Palm Oil Beeswax Jojoba Wax PEG 120 Beeswax Cashew Husk Oil Exthoxylate (Clarit) Module: Module: Module: Page: Of: Module: Page: Of: Compounding 5 8 Bulk Compounding 1 4 C001.001.00 Pharma Seafe Dead Sea Mineral Scruth Lot Code: 20201	Oil Phase.			
Add to the Primary Compounding Vessel when temp reaches 35°C; Turn on heating system and open flow through jacket in vessel. Heat contents to 65°C while mixing slow speed. Palm Oil Beeswax Jojoba Wax PEG 120 Beeswax A8 Lb A8 Lb A8 Lb A8 Lb Cashew Husk Oil Exthoxylate (Clarit) I6 Lb Wodule: Module: Module: Module: Compounding A8 Bulk Compounding 1 4 C001.001.00 Pharmachaen Dead Sea Mineral Scruth Lot Code: 20201				
400 Lb		ing Vessel when temp reaches 35°C; en flow through jacket in vessel. ixing slow speed.	(
Beeswax Jojoba Wax PEG 120 16 Lb (Palm Oil	400 Lb (~
Beeswax Cashew Husk Oil Exthoxylate (Clarit) Module: Module: Module: Page: Of: Compounding 5 8 Bulk Compounding 1 4 Product Name: Pro	Beeswax	48 Lb ()	`	-
Cashew Husk Oil Exthoxylate (Clarit) 16 Lb () Module: Page: Of: Compounding 1 4 Product Name: Pr	Jojoba Wax PEG 120	16 Lb ()		
Cashew Husk Oil Exthoxylate (Clarit) 16 Lb (Module: Page: Of: Section: Page: Of: Compounding 1 4 Product Name: Product Name: Product Name: PharmaSea® Dead Sea Mineral Scrub	Beeswax	48 Lb (
Module: Page: Of: Section: Page: Of: Compounding 1 4 Product Name: PharmaSea® Dead Sea Mineral Scrub	Cashew Husk Oil Exthoxylate			
Module: Page: Of: Section: Page: Of: Compounding 1 4 Product Name: Pharma Sea@ Dead Sea Mineral Scrub				
Module: Page: Of: Section: Page: Of: Compounding 1 4 Product Name: Product Name: Pharma Sea@ Dead Sea Mineral Scrub				
Module: Page: Of: Section: Page: Of: Compounding 1 4 Product Name: Pharma Sea® Dead Sea Mineral Scrub				
Product Name: PharmaSea® Dead Sea Mineral Scrub	Wis	Page: Of: Section: Page: unding 5 8 Bulk Compounding 1	Document No. C001.001.00	
	SMS		Lot Code: 20201	

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Manufacturing Batch Record

Date of Manufacture: February 2, 2001

Verified By: Performed By: Lot Code: 20201 C001.001.00 Document No. Bulk Compounding 2 4 When a. reaches 65°C and is completely melted together increase mixing with high Page: of: Increase speed of scrape surface agitation and triple impellor to medium. Turn off heating system and close off flow of hot water to jacket of vessel. Turn on Turbon OIL PHASE COMPLETED ---ADDED a. Add ULTRA FINE Dead Sea Salts and continue higher speed mixing: PharmaSea® Dead Sea Mineral Scrub Section: 144.0 Lb 1.6 Lb 80.0 Lb 816.00 Lb 48.0 Lb 0.8 Lb 8 9 Of: BULK COMPOUNDING-cont'd Page: (turbine) for high speed homogeneous mixing/agitation. Compounding Product Name: Module: **ULTRA FINE Dead Sea Salts** speed agitation and add: Covitol 1250 Soybean oil Jojoba oil Olive oil Covi-ox Salts Phase: م. Approved By: Prepared By: Ħ.

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BULK CON	COMPOUNDING cont'd	Performed By:	Verified By:
Turn on chiller system and open flow valves for chilled water. Set temp jacketed process vessel to 45°C to open valves. Continue mixing with the temperature reaches 45°C. Continue for 15 minutes at maintained 45°C.	Turn on chiller system and open flow valves for chilled water. Set temperature control on jacketed process vessel to 45°C to open valves. Continue mixing with triple motion until batch temperature reaches 45°C. Continue for 15 minutes at maintained 45°C.		
	SALTS PHASE II. COMPLETEDII.	MS	S
III. Fragrance Phase (essential oil blend) Set temperature control to 42°C and add the	III. <u>Fragrance Phase (essential oil blend)</u> Set temperature control to 42°C and add the following once temperature of batch becomes 42°C.		
a. Combine the following in	Combine the following in a suitable stainless steel container: ADDED		
Rosewood oil	7.04 Lb (
Lavender oil	5.44 Lb (
Chamomile oil	3.20 Lb		
Calendula oil	0.32 Lb		
	FRAGRANCE PHASE COMPLETEDIII.		
Maintain batch at 42°C while mixin process vessel to 40°C. When temp Scott to tube filling machine for fil	Maintain batch at 42°C while mixing for 10 minutes. Set temperature control on jacketed process vessel to 40°C. When temperature of batch arrives at 40°C begin pumping from Scott to tube filling machine for filling tubes.	WS	S
Prepared By: ME	Module:Page:Of:Section:Page:Of:Compounding78Bulk Compounding34	Document No. C001.001.00	
Approved By: N	Jead Sea Mine	Lot Code: 20201 (corresponds to date)	

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	RIIIK CO	RIII K COMPOIINDING Cont'd	Performed By:	Verified By:
>	Reconciliation			
	a. Weigh and record: Gl	GROSS: lo v D Lb		
	T	TARE: 15.62 Lb		
	NET WEIGHT:	GHT: 1584.38 Lb		
	Net Weight: 15843Lb 1600.0 Lb	x 100 = 94.02 % YIELD		
	b. Calculate and record Compounding loss:	ounding loss:		
	(600 Lb) - (Net Weight: 5	$(\emptyset00 \text{ Lb}) - (\text{Net Weight: } 594.3\% \text{ Lb}) = \text{Compounding Loss: } 5.62 \text{ Lb}$		
	NOTE: Yield limits are 97-103%.	If outside this range, notify supervisor.		
		PHASE IV. COMPLETEDIV.	MS	5
VI.	Sampling			
	a. Submit two four ounce samples to QA.	ss to QA.		
		PHASE V. COMPLETEDV.	MS	5
Prepared Bv:		Module: Page: Of: Section: Page: Of:	Document No.	
	ills	unding 8 8 Bulk Compounding 4	C001.001.00	
Approved By:	By: I'M S	Product Name: PharmaSea® Dead Sea Mineral Scrub	Lot Code: 20201 (corresponds to date)	

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Tel. (972-7) 846 5347 * Fex. (972-7) 628 0533 168131 .00158 Bveft-1608 - 27 x08.0.9 * eauch design

E-mail:chematres@dsw.co.il

Marketing Division Chemical Products

January 2000

299. EEED 858-70

ENT-WEK DOLPS

DEAD SEA BATH SALTS

Typical Analysis

		01 > 7000	4-7-	
Screen Ans	isyli			
Water of Cr	noitazillatay		4.38.4	32.0 - 40.0
Insolubles		*	£0.0	£.0 - 0
Sulphates		"'OS	21.0	2.0 -20.0
Bromide		B ¹ .	5.0	6.0 - €.0
Calcium	Chloride	CaCl2	2.0	2.0 - 1.0
muibo2	Chloride	NaCi	٤.٤	0.8 - 0.£
Potassium	Chloride	KCI ·	24.3	0.82 - 0.02
Magnesium	Chloride	MgCl2	£.EE	31.0 - 35.0
Components		Formula	Typical	Range

mm 7.1 > %09Fine Grade 30% < 10 wezp

mm 0.4 387.1 nsewted %09 < > 90% between 5 & 10 mesh Coarse Grade

Mention of the P.

Chemical Products Division & Quality Control Manager Chief Process Engineer

Alan Becker

ECORU- ACGO GALNE

בפעלי ים חבלח בע"ב

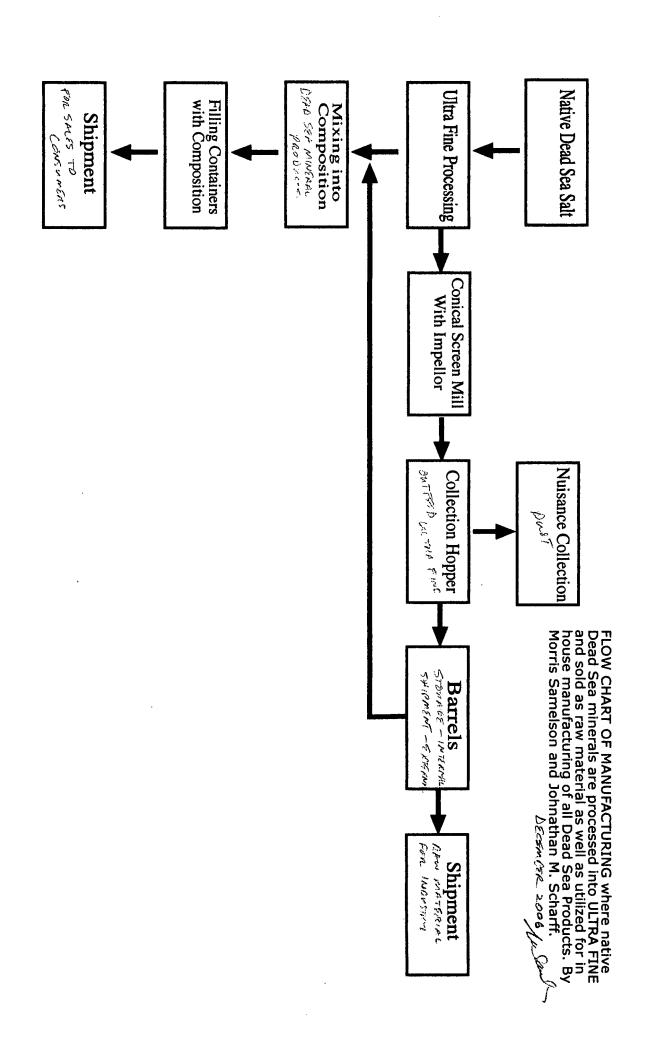
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NIL WING CAILTO CIAICO

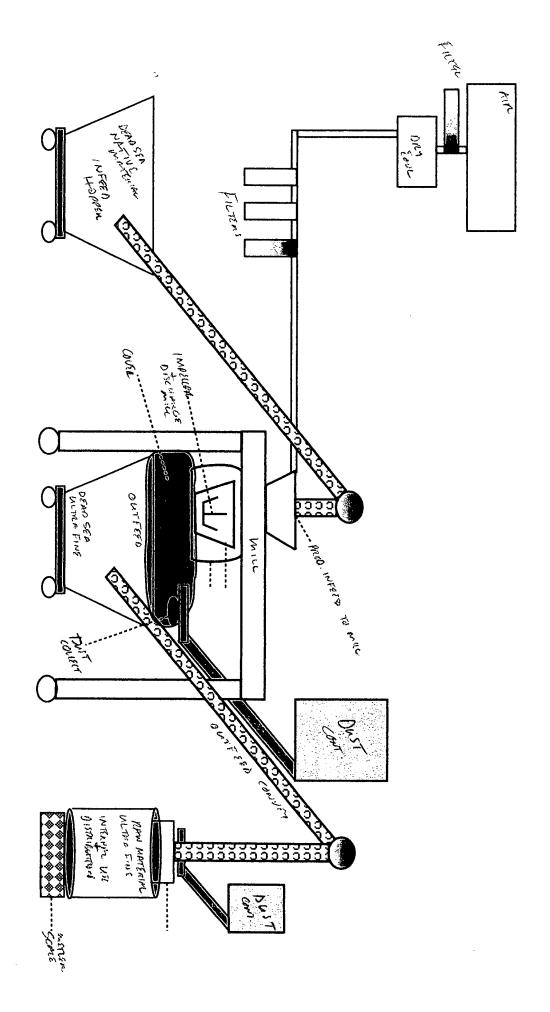
UC. 1468 646-10

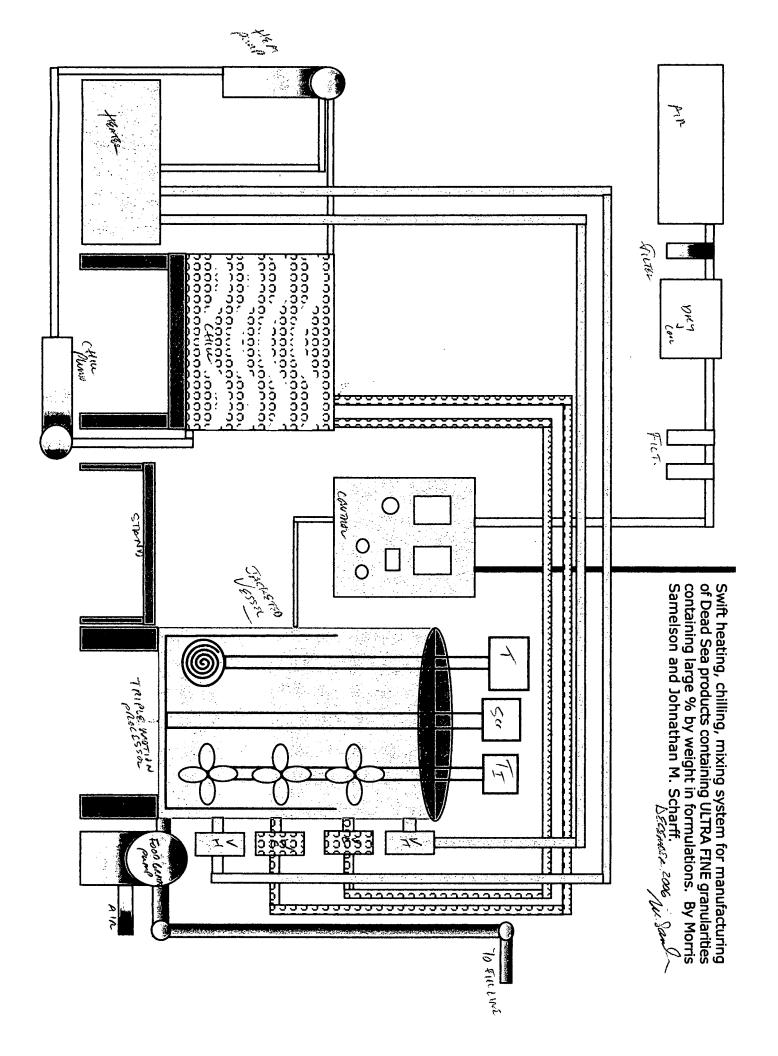
EIL UNACK

DEAD SEA WORKS LTD



Morris Samelson and Johnathan M. Scharff Milling system for processing Dead Sea Minerals to ULTRA FINE GRANULARITIES less than 1 mm. By

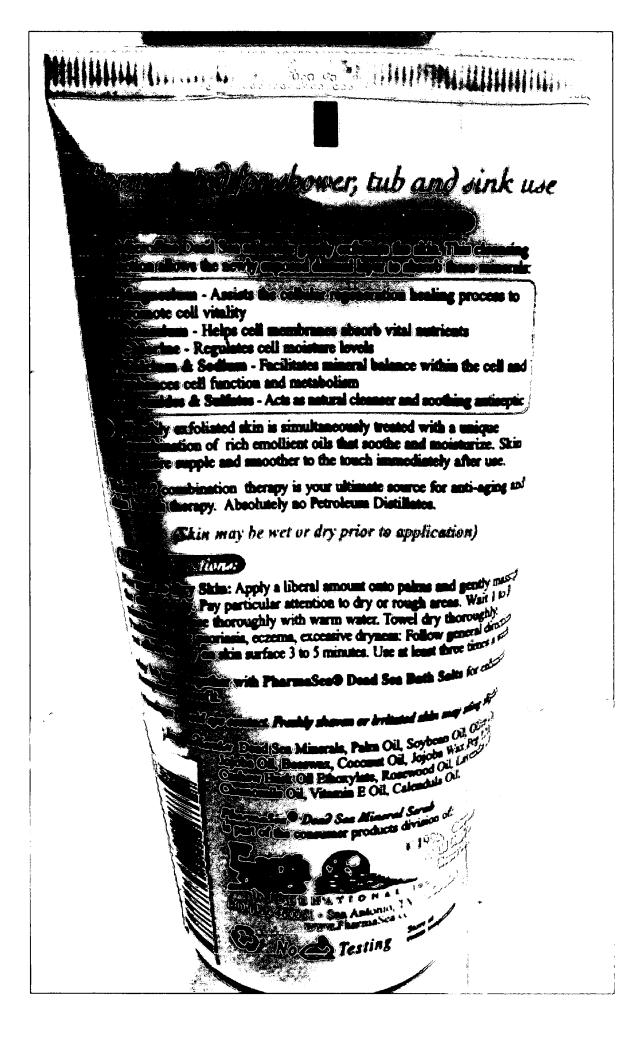


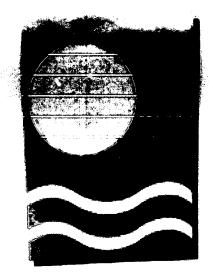


formulated for shower, but and sink . PharmaSea (Dead Sea Mineral Seruh work

Microfine Dead Sea minerals gently condition the dis iction allows the newly exposed denial layer to about

mote cell vitality enceium - Assists the cellular regeneration health





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